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Innovative Strategies for Securing and Simplifying IT Infrastructure Management

Clico Networking Day - Conn@ction

April 03rd, 2025

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Our Network Resilience Platform

Lighthouse
Centralized and secure access portal to connected Opengear nodes and other endpoints

Rack mount appliances
For larger deployments
16 – 96 serial port, 24 Ethernet

Small appliances
For edge / branch sites
4 - 8 serial, 4 - 8 Ethernet

Secured Tunnel to Lighthouse
Secured Failover / Alternative Tunnel to Lighthouse

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Opengear Solution

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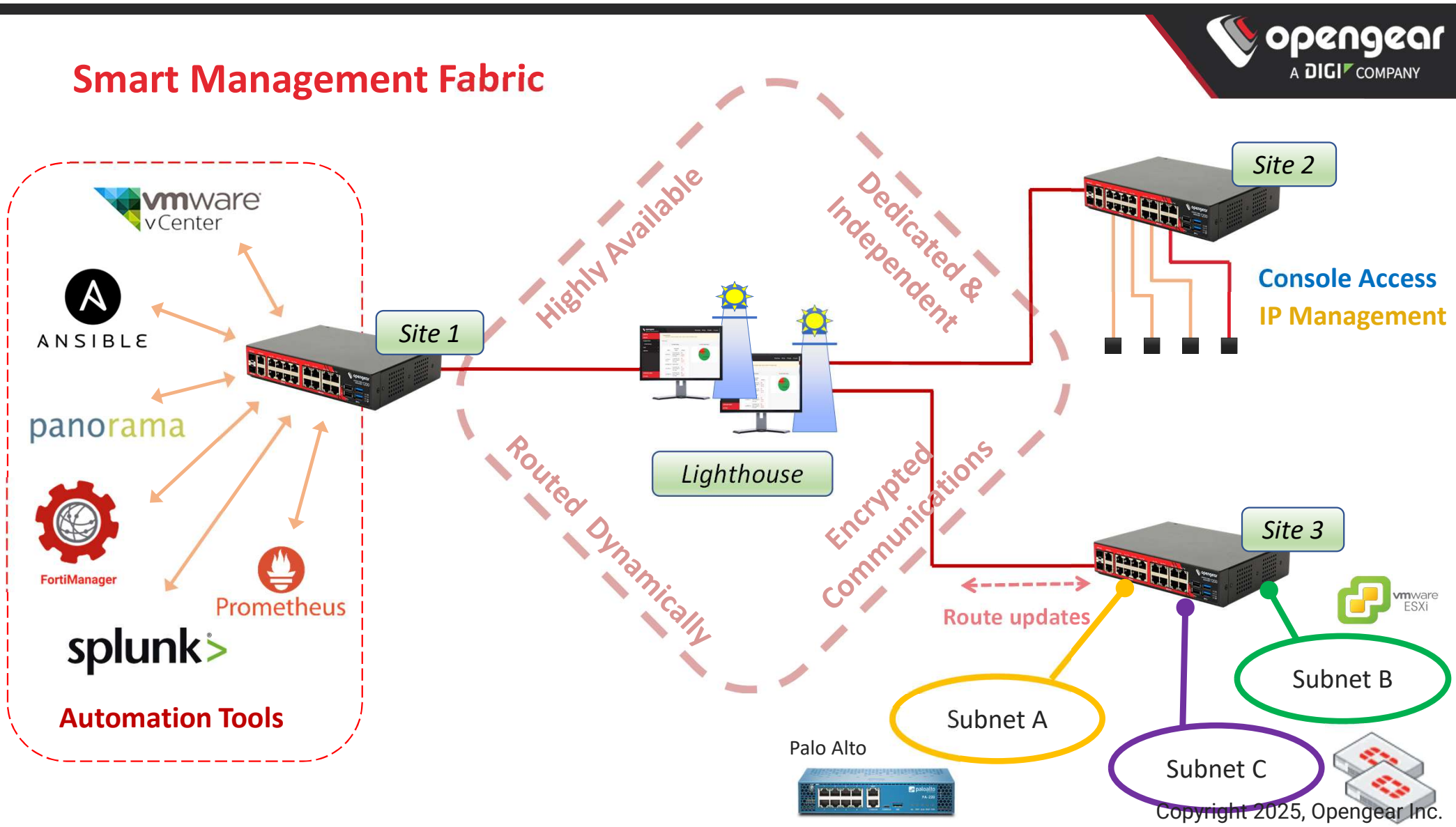
Smart Management Fabric



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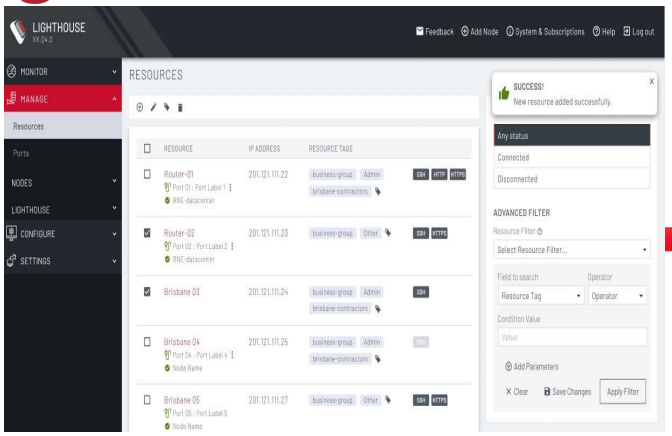
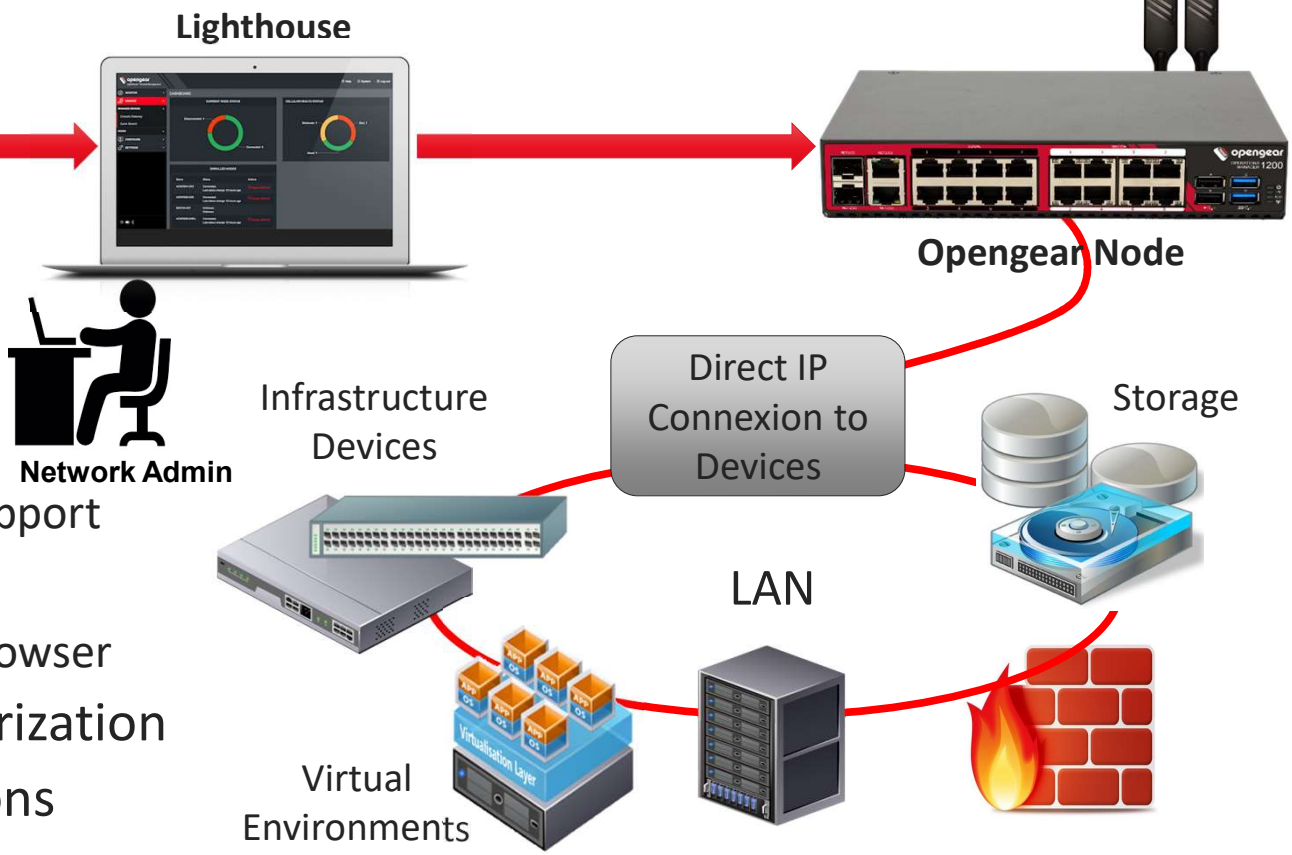
Lighthouse – Connected Resource Gateway (CRG)





- LAN-to-LAN connectivity
  - Muti-port & Dynamic port support
- Ease of use
  - Lighthouse access redirect browser
- Usability at scale and authorization
- Unlimited concurrent sessions

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...For Example...

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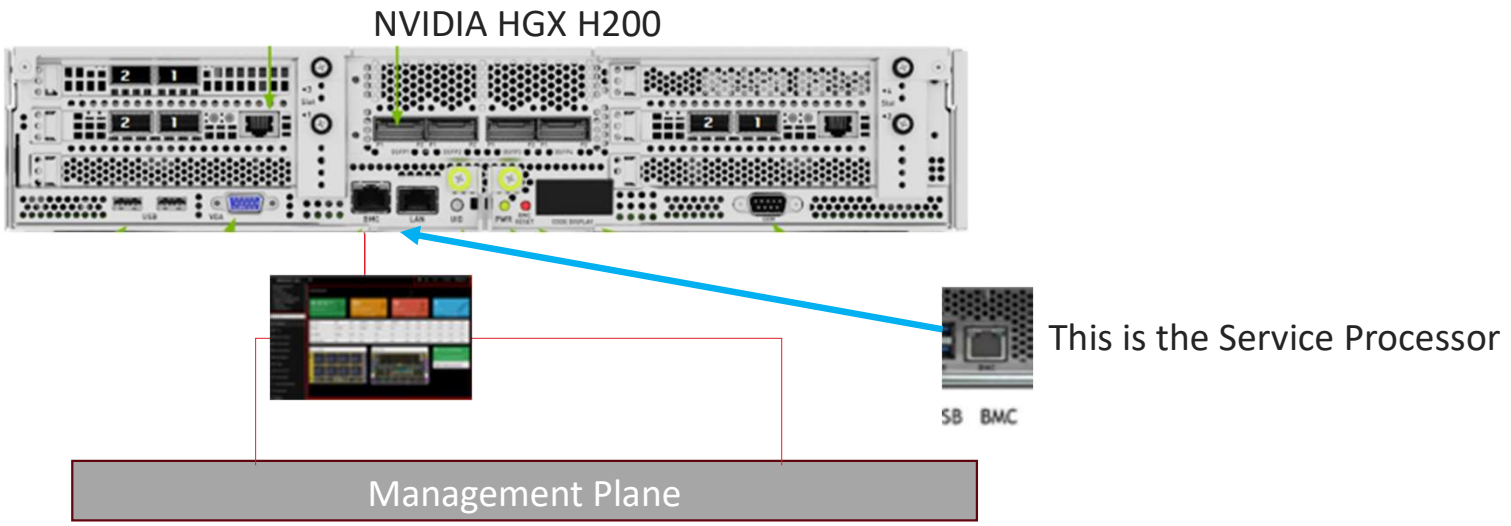
NVIDIA uses BMC (baseboard management controllers)



- AI infrastructure management and alerting
- Data center and rack environmental monitoring
- Remotely monitor, manage and troubleshoot
- Dashboards

AI Infrastructure Managers
Data Center Managers

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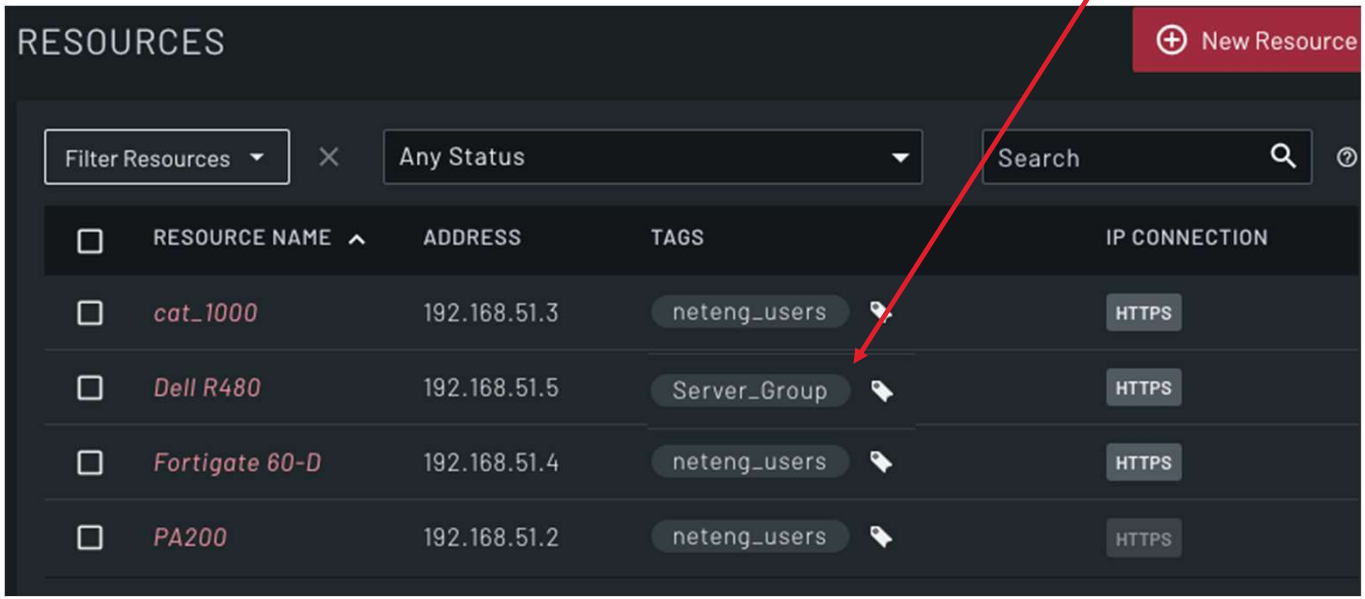
Why do I need Opengear for Service Processors?

1. Centralized User Access to Service Processors

2. Security



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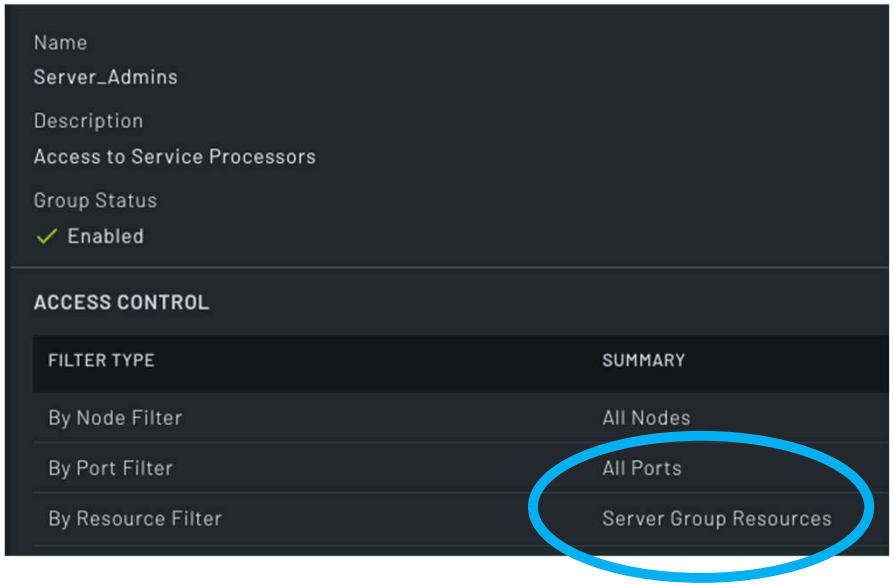
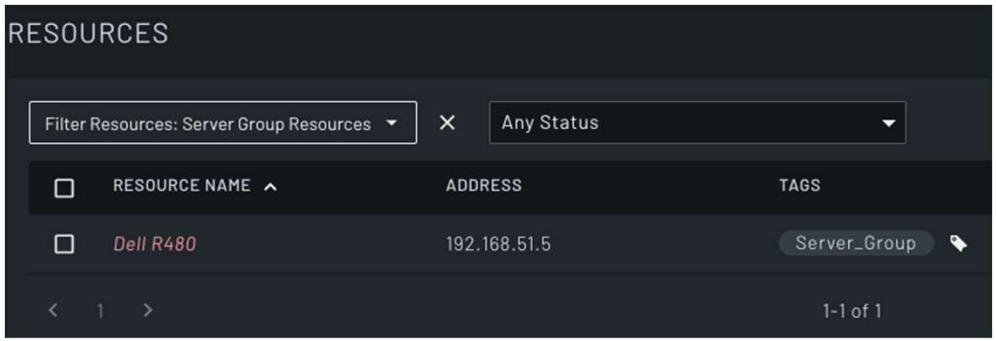
RBAC access to Service Processors with Connected Resourse Gateway

Role Based Access Control (RBAC) = who gets to connect to service processor

A User Group called “Server_Admins” is created and access is granted to Server Recourses (service processors)



Users in this group can only see and access Server resources



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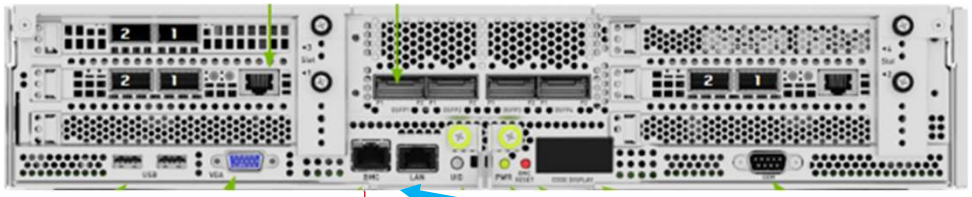
NVIDIA uses BMC (baseboard management controllers)

NVIDIA HGX H200



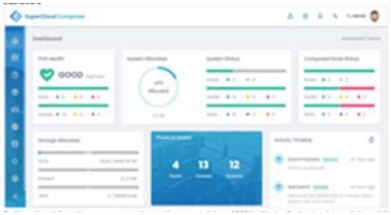
SB BMC

This is the Service Processor

Management Plane

Grafana - dashboard

Supermicro Composer Orchestration



GB200 BMC/Redfish (API)/IPMI

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Data Center Managers

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Thank you for your attention!

If there are any questions, please do not hesitate to contact us.

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